

IN THE CLAIMS

Claims 1 – 9 (cancelled).

Claim 10. (original): A method of heat pipe wick manufacture comprising the steps of
positioning metal felt adjacent to a metal substrate,
positioning a porous metal exoskeleton member adjacent to the metal felt
whereby the metal felt is between the metal substrate and the porous metal exoskeleton
member, and
applying heat sufficient to cause the metal felt to adhere to both the porous metal
exoskeleton member and the metal substrate.

Claim 11. (previously presented): The method of claim 10 further comprising a step selected
from the group consisting of

applying brazing material between the metal felt and metal substrate,
applying brazing material between the metal felt and the porous metal exoskeleton
member, and
applying brazing material between the metal felt and metal substrate as well as between
the metal felt and the porous exoskeleton member
prior to the step of applying heat.

Claim 12. (previously presented): The method of claim 10 further comprising the step of grit
blasting elements selected from the group consisting of
the metal substrate,

the porous metal exoskeleton member, and
both the metal substrate and the metal exoskeleton member
prior to the step of applying heat.

Claim 13. (previously presented): The method of claim 11 further comprising the step of grit
blasting elements selected from the group consisting of
the metal substrate,
the porous metal exoskeleton member, and
both the metal substrate and the metal exoskeleton member
prior to the step of applying heat.

Claim 14. (previously presented): The method of claim 12 wherein a temperature of 1100 C is
attained by the metal felt, the metal substrate, and the porous metal exoskeleton member during
the step of applying heat.

Claim 15. (previously presented): The method of claim 13 wherein a temperature of 1100 C is
attained by the metal felt, the metal substrate, and the porous metal exoskeleton member during
the step of applying heat.

Claim 16 (cancelled)

Claim 17. (currently amended): ~~The A~~ method of ~~Claim 16~~ heat pipe wick manufacture further
comprising the steps of

positioning wick material adjacent to a rigid substrate,

positioning a rigid porous exoskeleton member adjacent to the wick material

whereby the wick material is between the rigid substrate and the rigid porous exoskeleton

member, and

bonding the wick material to both the rigid substrate and the rigid porous exoskeleton member.

Claim 18. (original): The method of claim 17 wherein said step of bonding is accomplished using an adhesive applied in a single step after the wick material, the rigid substrate and the rigid porous exoskeleton member have been assembled.

Claim 19. (currently amended): The method of claim 48 17 wherein said step of bonding is accomplished using adhesive applied in more than one step in the course of assembly of the wick material, the rigid substrate and the rigid porous exoskeleton member.